



## ***Windows PowerShell Get-Help on Cmdlet 'Set-SmbShare'***

***PS:\>Get-HELP Set-SmbShare -Full***

### **NAME**

Set-SmbShare

### **SYNOPSIS**

Modifies the properties of the SMB share.

### **SYNTAX**

```
Set-SmbShare [-AsJob] [-CTimeout <UInt32>] [-CachingMode {None | Manual | Documents | Programs | BranchCache |
Unknown}] [-CimSession <CimSession[]>] [-CompressData
<Boolean>] [-ConcurrentUserLimit <UInt32>] [-ContinuouslyAvailable <Boolean>] [-Description <String>] [-EncryptData
<Boolean>] [-FolderEnumerationMode {AccessBased |
Unrestricted}] [-Force] -InputObject <CimInstance[]> [-LeasingMode <LeasingMode>] [-PassThru] [-SecurityDescriptor
<String>] [-ThrottleLimit <Int32>] [-Confirm]
[-WhatIf] [-CommonParameters]
```

```
Set-SmbShare [-Name] <String[]> [[-ScopeName] <String[]>] [-AsJob] [-CTimeout <UInt32>] [-CachingMode {None |
Manual | Documents | Programs | BranchCache | Unknown}]
[-CimSession <CimSession[]>] [-CompressData <Boolean>] [-ConcurrentUserLimit <UInt32>] [-ContinuouslyAvailable
<Boolean>] [-Description <String>] [-EncryptData
```

<Boolean>] [-FolderEnumerationMode {AccessBased | Unrestricted}] [-Force] [-LeasingMode <LeasingMode>]  
[-PassThru] [-SecurityDescriptor <String>] [-SmbInstance  
{Default | CSV | SBL | SR}] [-ThrottleLimit <Int32>] [-Confirm] [-WhatIf] [<CommonParameters>]

## DESCRIPTION

The Set-SmbShare cmdlet modifies the properties of the Server Message Block (SMB) share.

## PARAMETERS

-AsJob [<SwitchParameter>]

Runs the cmdlet as a background job. Use this parameter to run commands that take a long time to complete.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-CATimeout <UInt32>

Specifies the continuous availability time-out of the SMB share.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-CachingMode <CachingMode>

Specifies the caching mode of the offline files for the SMB share. There are five caching modes:

- None. Prevents users from storing documents and programs offline. - Manual. Allows users to identify the documents and programs that they want to store offline.

- Programs. Automatically stores documents and programs offline. - Documents. Automatically stores documents offline. - BranchCache. Enables BranchCache and manual caching of documents on the shared folder.

Required? false  
Position? named  
Default value None  
Accept pipeline input? True (ByPropertyName)  
Accept wildcard characters? false

-CimSession <CimSession[]>

Runs the cmdlet in a remote session or on a remote computer. Enter a computer name or a session object, such as the output of a New-CimSession

(<https://go.microsoft.com/fwlink/p/?LinkId=227967>) or

[Get-CimSession](<https://go.microsoft.com/fwlink/p/?LinkId=227966>)cmdlet. The default is the current session on the local computer.

Required? false  
Position? named  
Default value None  
Accept pipeline input? False  
Accept wildcard characters? false

-CompressData <Boolean>

Indicates that the shares being enumerated should request compression from clients.

Required? false  
Position? named  
Default value None  
Accept pipeline input? True (ByPropertyName)  
Accept wildcard characters? false

-ConcurrentUserLimit <UInt32>

Specifies the maximum number of concurrently connected users that the SMB share may accommodate. If this parameter is set to zero (0), then the number of users is

unlimited. By default, new SMB shares have no limit on the number of concurrent connections.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

#### **-ContinuouslyAvailable <Boolean>**

Indicates whether the share is continuously available.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

#### **-Description <String>**

Specifies an optional description of the SMB share. A description of the share can be displayed by running the Get-SmbShare cmdlet. Specify an empty string to

clear the current description. The description may not contain more than 256 characters.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

#### **-EncryptData <Boolean>**

Indicates whether the SMB share is encrypted.

Required? false  
Position? named  
Default value None  
Accept pipeline input? True (ByPropertyName)  
Accept wildcard characters? false

-FolderEnumerationMode <FolderEnumerationMode>

Specifies which files and folders in the new SMB share will be visible to the users. The acceptable values for this parameter are:

- AccessBased. SMB does not display the files and folders for a share to a user unless that user has rights to access the files and folders. By default, access-based enumeration is disabled for new SMB shares. - Unrestricted. SMB displays files and folders to a user even when the user does not have permission to access those items.

The default value is Unrestricted.

Required? false  
Position? named  
Default value None  
Accept pipeline input? True (ByPropertyName)  
Accept wildcard characters? false

-Force [<SwitchParameter>]

Forces the command to run without asking for user confirmation.

Required? false  
Position? named  
Default value False  
Accept pipeline input? False  
Accept wildcard characters? false

-InputObject <CimInstance[]>

Specifies the input object that is used in a pipeline command.

Required? true

Position? named

Default value None

Accept pipeline input? True (ByValue)

Accept wildcard characters? false

-LeasingMode <LeasingMode>

Specifies SMB leasing and oplock behaviors for application compatibility. The acceptable values for this parameter are:

- `Full:` Use default lease and oplock behaviors from SMB3.

- `Shared:` Grant read-caching lease but not write or handle-caching.

- `None:` No oplocks or leases, behave like SMB1 (not recommended).

> [!IMPORTANT] > We do not recommend disabling oplocks, but may be required in some scenarios. For more information, see SMB1 Product Clearinghouse

(<https://techcommunity.microsoft.com/t5/Storage-at-Microsoft/SMB1-Product-Clearinghouse/ba-p/426008>).

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Name <String[]>

Specifies the name of one or more SMB shares.

Required?	true
Position?	1
Default value	None
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

**-PassThru [<SwitchParameter>]**

Returns an object representing the item with which you are working. By default, this cmdlet does not generate any output.

Required?	false
Position?	named
Default value	False
Accept pipeline input?	False
Accept wildcard characters?	false

**-ScopeName <String[]>**

Specifies the scope name of the SMB share. For use with Windows Server failover cluster file server resources.

Required?	false
Position?	2
Default value	None
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

**-SecurityDescriptor <String>**

Specifies the security descriptor for the SMB share in string format.

Required?	false
Position?	named
Default value	None
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

#### **-SmbInstance <SmbInstance>**

Specifies the input to this cmdlet. You can use this parameter, or you can pipe the input to this cmdlet.

Required?	false
Position?	named
Default value	None
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

#### **-ThrottleLimit <Int32>**

Specifies the maximum number of concurrent operations that can be established to run the cmdlet. If this parameter is omitted or a value of `0` is entered, then

Windows PowerShell calculates an optimum throttle limit for the cmdlet based on the number of CIM cmdlets that are running on the computer. The throttle limit

applies only to the current cmdlet, not to the session or to the computer.

Required?	false
Position?	named
Default value	None
Accept pipeline input?	False
Accept wildcard characters?	false

#### **-Confirm [<SwitchParameter>]**

Prompts you for confirmation before running the cmdlet.

Required?	false
Position?	named
Default value	False
Accept pipeline input?	False
Accept wildcard characters?	false

#### **-WhatIf [<SwitchParameter>]**



Shows what would happen if the cmdlet runs. The cmdlet is not run.

Required?	false
Position?	named
Default value	False
Accept pipeline input?	False
Accept wildcard characters?	false

#### <CommonParameters>

This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about\_CommonParameters (<https://go.microsoft.com/fwlink/?LinkID=113216>).

#### INPUTS

None

#### OUTPUTS

Microsoft.Management.Infrastructure.CimInstance#ROOT/Microsoft/Windows/SMB/MSFT\_SmbShare

This cmdlet returns a MSFT\_SmbShare object that represents the modified share.

#### NOTES

----- Example 1: Modify properties of an SMB share -----

```
PS C:\>Set-SmbShare -Name "VMFiles" -EncryptData $True
```

Confirm

Are you sure you want to perform this action?

Performing operation 'Modify' on Target 'Contoso-SO,VMFiles'.

[Y] Yes [A] Yes to All [N] No [L] No to All [S] Suspend [?] Help (default is "Y"):

This command modifies the properties of an SMB share.

Example 2: Modify properties of an SMB share without confirmation

```
PS C:\>Set-SmbShare -Name "VMFiles" -EncryptData $True -Force
```

This command modifies the properties of an SMB share without user confirmation.

## RELATED LINKS

Online

Version:

[https://learn.microsoft.com/powershell/module/smbshare/set-smbshare?view=windowsserver2022-ps&wt.mc\\_id=ps-gethelp](https://learn.microsoft.com/powershell/module/smbshare/set-smbshare?view=windowsserver2022-ps&wt.mc_id=ps-gethelp)

Get-SmbShare

New-SmbShare

Remove-SmbShare